International application No.

INTERNATIONAL SEARCH REPORT		PORT	PCT/KR2004/002181	
A. CLA	SSIFICATION OF SUBJECT MATTER			١٠.
IPC7 C	C12N 15/70			
According to	International Patent Classification (IPC) or to both nation	onal classification and IPC		
B. FIEL	DS SEARCHED			
	cumentation searched (classification system followed by	classification symbols)		
IPC7 C12N	15/70, C12N 15/31, C12N 15/00			
	on searched other than minimum documentation to the ents and applications for inventions since 1975	extent that such documents are	included in the f	ields searched
	a base consulted during the intertnational search (name /PI, USPTO, PAJ, PubMed "fadL, Escherichia coli, out			
C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	propriate, of the relevant passa	ges	Relevant to claim No.
<b>Y</b>	J. Biol. Chem., Vol.268, No.21, 25 Jul. 1993, pp.15469-15476, Kumar, GB, Black, PN: "Bacterial long-chain fatty acid transport. Identification of amino acid residues within the outer membrane protein FadL required for activity".		1 - 19	
Y	Arch. Biochem. Biophys., Vol.377, No.2, 2000, pp.324-333, Cristalli, G. et al.: "The aminoterminal region of the long-chain fatty acid transport protein FadL contains an externally exposed domain required for bacteriophage T2 binding"			1 - 19
Y	KR 2003-81548 A (Korea Advanced Institute of Science and Technology) 22 Oct. 2003 see the whole document		1 - 19	
Y	J. Biotechnol., Vol.96, No.2, 2002, pp.129-154, Samuelson, P. et al.: "Display of proteins on bacteria"			1 - 19
Y	KR 2000-56440 A (Korea Advacaed Institute of Science and Technology) 15 Sep. 2001 see the whole document			1 - 19
Y	KR 2003-14959 A (Korea Advacned Institute of Science and Technology) 20 Feb. 2003 see the whole document			1 - 19
Further	r documents are listed in the continuation of Box C.	See patent fami	ly annex.	
"A" document to be of pr "E" earlier ap filing date "L" documen cited to e special re "O" document means "P" document than the p	t which may throw doubts on priority claim(s) or which is stablish the publication date of citation or other eason (as specified) treferring to an oral disclosure, use, exhibition or other treferring to the international filing date but later published prior to the international filing date but later priority date claimed	considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family		
Date of the actual completion of the international search  Date of mailing of the international search report				
	2 MARCH 2005 (22.03.2005)	22 MARCI	1 2005 (22.	.03.2005)
	ailing address of the ISA/KR Korean Intellectual Property Office	Authorized officer		(Ar
	920 Dunsan-dong, Sco-gu, Daejeon 302-701, Republic of Korea	SHIN, Kycong A		VE NEW Y

Telephone No. 82-42-481-5589

Facsimile No. 82-42-472-7140

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International application No.

PCT/KR2004/002181

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item1.b of the first sheet)	
<ol> <li>With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:</li> </ol>	
a. type of material	
a sequence listing	
table(s) related to the sequence listing	
b. format of material	•
in written format	
in computer readable form	
and the same of th	
c. time of filing/furnishing	
contained in the international application as filed	
filed together with the international application in computer readable form	,
furnished subsequently to this Authority for the purposes of search	
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filled or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.	. : ···
3. Additional comments:	
5. Additional confinence.	٠.
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/KR2004/002181

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2000-56440 A	15 Sep. 2000	US 6274345 B1	14 Aug. 2001
KR 2003-14959 A	20 Feb. 2003	WO 03/16538 A1 US 2005-19857 A1 CN 1466628 A	27 Feb. 2003 27 Jan. 2005 07 Jan. 2004